

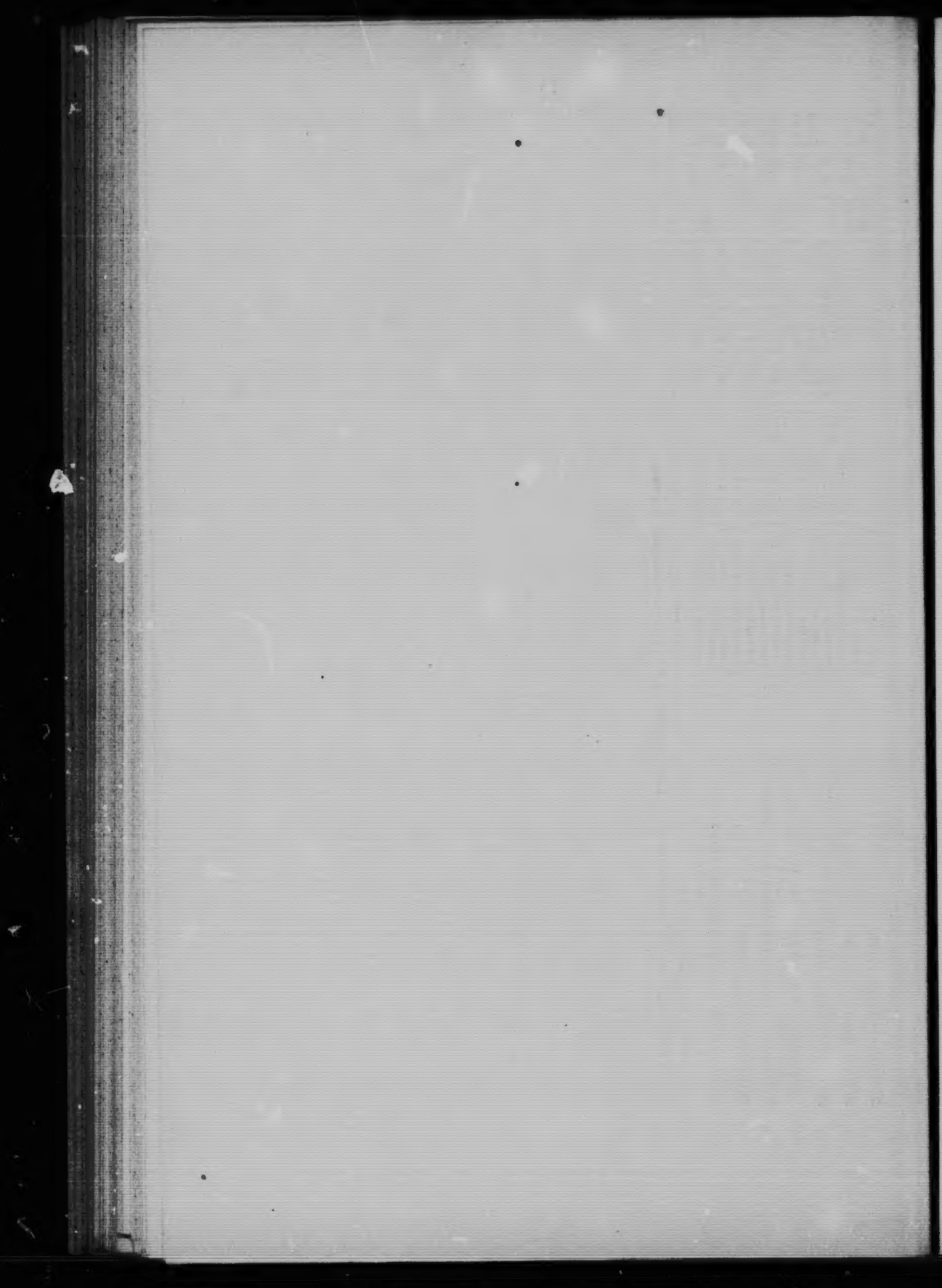
**CIHM
Microfiche
Series
(Monographs)**

**ICMH
Collection de
microfiches
(monographies)**



Canadian Institute for Historical Microreproductions / Institut canadien de microreproductions historiques

© 1998



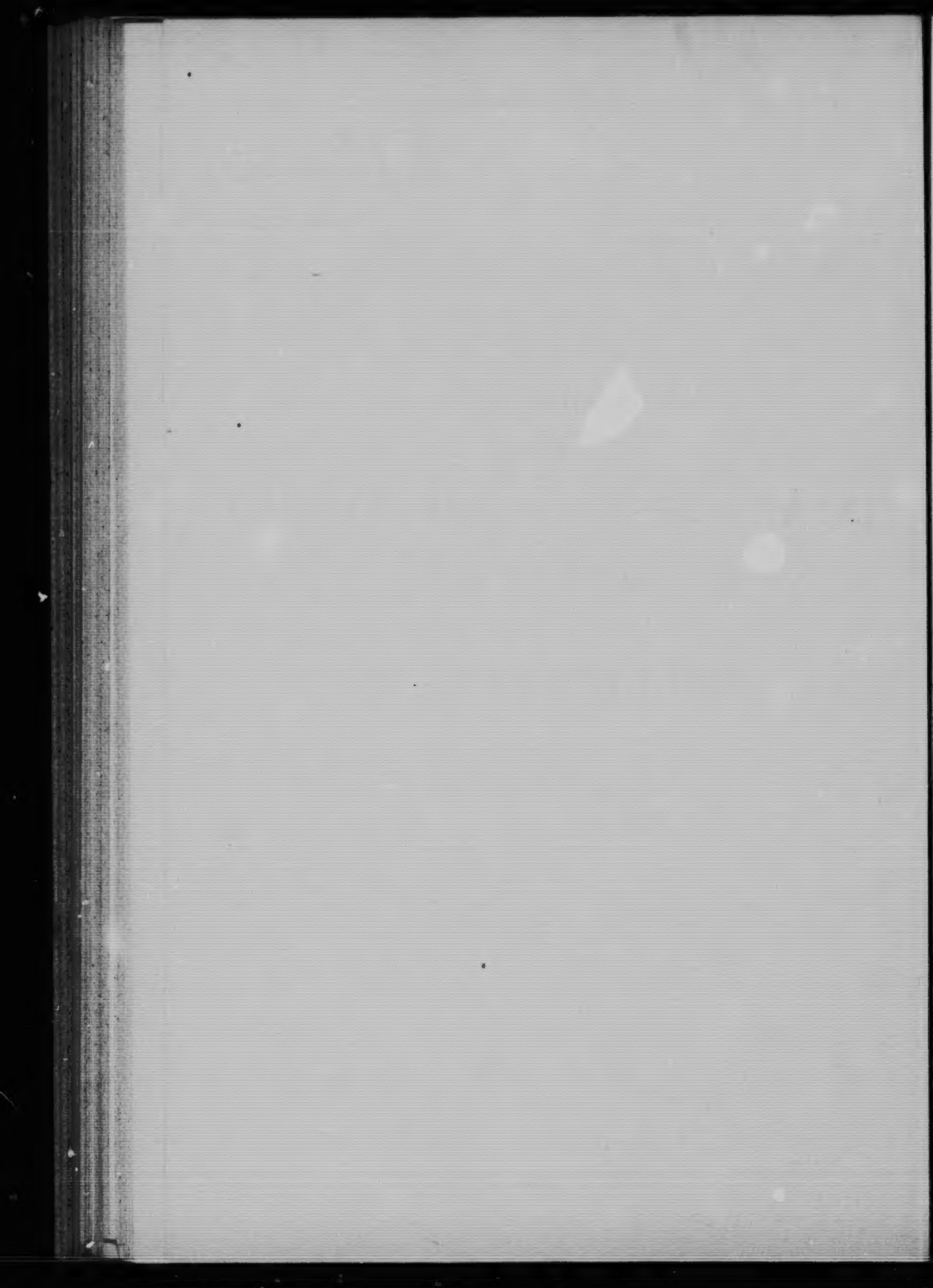
O. H. M. S.

W. J. Gerald
Deputy Minister.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA.

BULLETIN No. 162

ICE CREAM



LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA
BULLETIN No. 162
ICE CREAM

OTTAWA, September 11, 1908.

W. G. GERALD, Esq.,
Deputy Minister of Inland Revenue.

SIR:—I beg to hand you a report upon 145 samples of Ice Cream, obtained by our inspectors during July and August of this year. All the inspectoral districts are represented.

These results show much that is of interest; although they are far from being as complete as could be wished. This is mainly due to unexpected difficulties found in transmitting samples of so perishable an article, in a fit state for analysis.

The employment of some preservative being imperative, I selected formaldehyde, and prescribed its use in the proportion of 5 drops of a 40 per cent. solution, to 6 ounces of Ice Cream.

Eighty samples were received in good enough condition to permit of the determination of fat. Fifty nine samples were spoiled, so far as estimation of fat is concerned, others were lost through imperfect packing. Experience shows the necessity of shaking the bottle, to prevent churning during transit, and to exclude air.

The amount of preservative recommended proved quite sufficient to keep the sample in good condition, in spite of the extremely hot weather of last month. Samples from Nova Scotia on the one hand and Calgary on the other were capable of being worked for fat. But some of our inspectors exhibited gross disregard of instructions, and instead of using 6 oz. bottles, quite filled, as they were expressly told to do, used jam jars, and large bottles, which being only partly filled, permitted the sample to be effectively churned, while the contained air assisted decomposition.

We have no standards for Ice Cream in Canada. It is evident that the article should consist essentially of frozen cream and sugar; and had we a standard for cream, such standard should be applicable to frozen cream, unless otherwise specified. The United States standard for cream requires a minimum of 18 per cent. fat; while for ice cream the minimum required is 14 per cent. fat. *Fruit Ice Cream* and *Nut Ice Cream* which respectively contain fruit and nuts, are required to contain a minimum of 12 per cent. of butter fat.

Ordinary ice cream is always flavoured either by natural or artificial extracts of various fruits, vanilla, &c. The addition of these extracts to a cream together with the sugar reduces the percentage of fat; and this is taken into account in the standards just mentioned.

When less than 14 per cent. of fat is present it is usual to add a stiffening material in addition to the sugar, and this practice seems to be followed by some manufacturers

even when the fat content is above 14 per cent. The stiffeners most in vogue are gelatin, gelatinized starch and sucrate of lime. The last has not been found in any of the samples here reported.

By the use of a stiffener, it is possible to use a proportionately poor cream, and yet produce an ice cream of apparent good quality. On this account, rather than because of any unwholesomeness in the thickener itself the employment of such thickeners must be regarded as questionable.

The present investigation shows gelatine to be used in 73 of the samples examined, while 27 contain starch. In some cases the starch is present in traces only, and may be due to the freezing apparatus, or other container, having previously been used for a starch-containing product.

Only one sample contained nuts. Most of the samples were uncoloured; and of those which were coloured, only two were dyed by coal-tar products; (35154 and 35158). The remainder were coloured by true fruit juices.

A propos of coal-tar dyes in ice cream, I may mention a case recently brought to my notice by Dr. G. P. Girdwood of Montreal, in which a consumer of artificially coloured (so called "strawberry") ice cream, was seriously affected, the symptoms of poisoning persisting for several days. That these dyes are excreted by the kidneys was evidenced by the passing of blood-coloured urine; while the diuretic effect was apparent in the abnormal stimulation of the kidneys. An examination of the dye used convinced me that it is *Ponceau 2 R*. (Sodium Xylidine, Azo-2-Naphtol 3-6 disulphonate,) a colour much used for imitating strawberry, and imported into Canada as "Strawberry Red."

Meyer (*Jour. Am. Chem. Soc.* 1907, p. 892) examined this, and some other anilin colours, by experimenting upon dogs, and found that the first dog succumbed to doses of 16 grams of *Ponceau 2 R*. on the seventh day. Another dog took as much as 60 grams which he vomited, but continued to take 5 grams doses for twenty days with no ill effects.

These immense doses would indicate that the very minute amounts employed in foods can hardly be considered toxic. Most of the colouring matter was voided in the faeces, but enough of it passed through the kidneys to give a blood red colour to the urine.

Individuals are often so constituted as to be specially susceptible to the action of certain drugs, which most of us may take with apparent impunity. This brings up the whole question of artificial colours in foods, which has been treated more fully in Bull. 83, p. 14. The subject requires fuller investigation than it has yet received.

Of the 80 samples of ice cream received in such condition as to make possible the determination of their fat content, 40 samples contained above 14 per cent, and 40 others contained less than that amount. Of these last, 12 samples contained less than 10 per cent.

I do not feel justified in drawing any general conclusions from the data herein contained; but would respectfully ask that it be published as Bulletin No. 162, as a first contribution to the study of Ice Cream in Canada. An early opportunity will be taken for further investigation of the subject.

I have the honour to be, sir,
Your obedient servant,

A. MCGILL,
Chief Analyst.

BULLETIN No. 162—ICE CREAM.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.	RESULTS OF ANALYSIS.			Remarks and Opinion of the Chief Analyst.
				Quantity.	Cost.			(Relative.	March.	Total Solids.	
1908.											
Aug. 11	Ice Cream.	33536	D. R. Ross, Halifax, N.S.	1 pint	20	Vendor	Sample sold as vanilla ice cream.	None.	None.	15.45	Sample in good condition.
"	"	33537	"	"	20	"	Sample sold as strawberry ice cream.	None.	None.	15.64	"
"	"	33538	F. W. Cookson, Halifax, N.S.	"	20	"	Sample sold as vanilla ice cream.	Present.	None.	15.76	"
"	"	33539	Scotia Pure Milk Co., Ltd., Halifax, N.S.	"	20	Vendor.	Sample sold as pineapple ice cream.	Present.	None.	15.08	"
"	"	33540	"	"	20	"	Sample sold as strawberry ice cream.	Present.	None.	14.86	"
"	"	33541	J. E. Rogers, Halifax, N.S.	"	25	Vendor.	Sample sold as peach ice cream.	None.	None.	11.54	"
"	"	33542	Tess & Co., Halifax, N.S.	"	25	Vendor.	Sample sold as chocolate ice cream.	Present.	Present.	9.08	Sample in good condition; of low quality.
"	"	33543	"	"	25	"	Sample sold as macaroon ice cream.	Present.	None.	8.16	"
"	"	33544	Gaspero Poirer, Halifax, N.S.	"	25	Vendor.	Sample sold as vanilla ice cream.	Present.	None.	2.76	Sample in good condition; of very low quality.
"	"	33545	W. Patrick, Halifax, N.S.	"	25	Scotia Pure Milk Co., Halifax, N.S.	Sample sold as macaroon ice cream.	Present.	None.	11.43	Sample in good condition.

DISTRICT OF NOVA SCOTIA—R. J. WAUGH, INSPECTOR.

BULLETIN No. 163—ICE CREAM.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.		Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.	Inspector's Report.	RESULTS OF ANALYSIS.				Remarks and Opinion of the Chief Analyst.
			Quantity.	Cents.	Gelatine.	Starch.			Total Solids.	Fat.			
DISTRICT OF PRINCE EDWARD ISLAND—T. MOORE, INSPECTOR.													
July 15	Ice Cream..	31291	Vincent McIsaac, 1 pint..	30	Vendor.....					p.c.	p.c.	Both bottles broken in transit; contents in packing.	
" 15	"	31292	T. Peckard, Souris.. 1	25	"								
" 22	"	31293	M. Richards, Murray 1	25	"								
" 28	"	31294	E. J. DeRoche, 1	25	"								
" 28	"	31295	Charlottetown. Mills Bros., Char- 1	25	Vendors								
" 28	"	31296	Charlottetown. Mrs. W. F. Carter, 1	25	Vendor								
" 30	"	31297	Charlottetown. Mrs. J. Vacher, 1	25	"								
Aug. 3	"	31298	Charlottetown. E. Keir, Kensington. 1	25	"								
" 4	"	31299	J. J. Gaudet, Sun- 1	25	"								
" 4	"	31300	merside. J. W. Warren, Sun- 1	25	"								
" 4	"		merside.										

DISTRICT OF NEW BRUNSWICK—J. C. FERGUSON, INSPECTOR.

July 28	Ice Cream.	29723	Maritime Dairy Co., St. John, N.B.	1 pt.	20	Vendors.	.....	.....	.....	.....	.....	Sample in good condition.
" 28	"	29724	T. J. Phillips, St. John, N.B.	1	20	Vendor.	.....	.....	.....	.....	.....	Sample in poor condition. Fat not determined.
" 28	"	29725	Frank White Catering Co., St. John, N.B.	1	20	Vendors.	.....	.....	.....	.....	.....	Sample in good condition.

No.	Date	Vendor	Present	Notes	Time
" 29	"	25726 A. J. Russell, St. 1	"	None.	12:58
"	"	John, N.E.	"	"	"
" 29	"	25727 Railway Bros., St. 1	Vendors	None.	11:06
"	"	John, N.E.	"	"	"
Aug. 4	"	25728 D. A. Vail, Sunset, 1	Vendor	None.	29:26
"	"	W. E. Smith, Mont 1	"	"	"
" 5	"	25729 W. E. Smith, Mont 1	"	Trace.	12:40
"	"	ton, N.E.	"	"	"
" 5	"	25730 Jeanie McGee, Mont-1	"	None.	13:39
"	"	ton, N.E.	"	"	"
" 13	"	25731 Chacchi Bros., Water 1	Vendors	Present.	8:34
"	"	St., St. Stephen, N.E.	"	"	"
" 15	"	25732 Geo. F. Wilkes, 1	Vendor	None.	8:08
"	"	Frederick, N.E.	"	"	"

DISTRICT OF QUEBEC—E. BELAND, INSPECTOR.

[illegible]

BULLETIN No. 162—ICE CREAM.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Court.		Name and Address of Manufacturer or Furnisher as given by Vendor.	Inspector's Report	RESULTS OF ANALYSIS.					Remarks and Opinion of the Chief Analyst.
				Quantity.	Cents.			(Relative.	Starch.	Total Solids.	Pac.		
DISTRICT OF ST. HYACINTHE—J. C. ROULEAU, INSPECTOR.													
1908.													
July 30	Ice Cream..		150 J. S. Gingras, Marieville.	1 pint	25	Vendor.....	.....	Present.	Present.	p. c.	5.33	In good condition. Of very poor quality.
Aug. 3	"		151 G. Bergeron, Drummondville.	" "	30	"	.....	None.	None.	p. c.	11.84	In good condition.
" 3	"		152 F. W. Savage, Watertown.	4 plates.	40	"	.....	None.	None.	p. c.	17.77	"
" 3	"		153 C. H. Welch, Waterloo.	" "	20	"	.....	Present.	None.	p. c.	9.35	In good condition. Of poor quality.
" 4	"		154 Arthur Villeneuve, Magog.	5 " "	25	"	.....	None.	Present.	p. c.	10.86	In good condition.
" 5	"		155 M. Panoz, Sherbrooke.	1 pint..	25	"	.....	None.	None.	p. c.	17.78	"
" 5	"		156 J. Jos. Bilodeau, Sherbrooke.	" "	25	"	.....	Present.	Present.	p. c.	11.22	"
" 5	"		157 A. F. Shasha, Sherbrooke.	" "	25	"	.....	None.	None.	p. c.	16.26	"
" 10	"		158 Dion & freres, Hyacinthe.	St. 1 " "	35	Vendors.....	.....	None.	None.	p. c.	19.84	"
" 10	"		159 P. Therrien, Hyacinthe.	St. 1 " "	25	Vendor.....	.....	Present.	None.	p. c.	4.90	In good condition. Of very low quality.

DISTRICT OF MONTREAL—J. J. COSTIGAN, INSPECTOR.

July 14	Ice Cream..	33001	Imperial Ice Cream Co., Ltd., Montreal.	1 pint..	25	Vendors.....	.....	Put up in 1 pint blocks.	None.	40.5	21.7	In good condition.
" 14	"	33002	J. D. Duncan Co., Montreal.	1 " "	30	"	.....	"	Present.	42.2	19.5	"

"	23	"	32003 Standard Dairy Co., Montreal.	1	"	25	"	.....	Present.	None.	.....	10-96	"
"	23	"	32004 M. Nicholson, 461 St. Lawrence St., Montreal.	1	"	20	Vendor.	.....	Present.	None.	.....	.....	Sample in poor condition. Fat not determined.
"	24	"	32005 Robert Pharmacien, 80 St. Catherine St., Montreal.	1	"	25	Standard Dairy Co., Montreal.	.....	Present.	None.	.....	12-54	In good condition.
"	24	"	32006 Z. Demetre, 800 St. Catherine St., Montreal.	1	"	25	Vendor	.....	None.	None.	.....	12-56	"
"	24	"	32007 W. J. Scott, 248 St. Denis St., Montreal.	1	"	25	"	.....	None.	None.	.....	.....	In poor condition. Fat not determined.
"	27	"	32008 D. H. Welsh, 84 St. Peter St., Montreal.	1	"	25	"	.....	None.	Trace.	.....	23-34	In good condition.
"	27	"	32009 J. H. Aird, 303 Notre Dame St., Montreal.	1	"	25	Imperial Ice Cream Co., Ltd., Montreal.	.....	Present.	None.	.....	17-86	"
"	27	"	32010 Sperdaks Bros., 456 St. Notre Dame St., Montreal.	1	"	25	Vendors	.....	Present.	None.	.....	.....	In poor condition. Fat not determined.

DISTRICT OF OTTAWA—J. A. RICKEY, INSPECTOR.

July 11	Ice Cream.	32043 J. W. Brisco, Pembroke, Ont.	1 pt.	25	Vendor	.....	Present.	None.	34.5	12-5	Sample in good condition.
"	11	32044 F. W. Chambers, Pembroke, Ont.	1	25	"	.....	None.	None.	34.1	15-9	"
"	14	32045 C. F. MacInnes, Prescott, Ont.	1	20	"	.....	None.	None.	37.3	18-5	"
"	15	32046 P. Pearson, Ottawa, Ont.	1	30	Ottawa Dairy Co., Vendor	.....	None.	None.	38.0	20-8	"
"	20	32047 C. H. Rogers, Britannia, Ont.	1	25	"	.....	None.	Trace.	36.2	12-9	"
"	20	32048 T. D. Sayer, Aylmer, Park, Que.	1	25	Vendors.	.....	None.	None.	31.6	11-5	"
"	21	32049 Ottawa Dairy Co., Ottawa, Ont.	1	25	"	.....	None.	None.	34.3	15-7	"
"	21	32050 " "	1	25	"	Made in pt. brick.	Trace.	None.	29.9	20-9	"
"	23	32051 W. S. Baldwin, Carleton Place.	1	25	Vendor	.....	None.	Present.	33.2	15-2	"
"	25	32052 David Wilson, Shawville, Que.	1	25	Ottawa Dairy Co., Ottawa, Ont.	.....	None.	None.	38.6	19-8	"

BULLETIN No. 162—ICE CREAM.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.	Inspector's Report.	RESULTS OF ANALYSIS.				Remarks and Opinion of the Chief Analyst.
				Quantity.	Cent.			Gelatin.	Starch.	Total Solids.	Fat.	

DISTRICT OF KINGSTON—J. HOGAN, INSPECTOR.

1908.	July 20	Ice Cream.	35255 S. Leverin, Kingston.	1 pt.	20	Vendor	.....	Present.	None.	p. c.	p. c.	Sample in bad condition. Fat not determined.
"	"	"	35256 J. Franco, "	1 "	20	"	.....	Present.	None.	.....	.....	"
"	"	"	35257 Y. Handell, "	1 "	20	"	.....	Present.	Present.	.....	.....	"
"	"	"	35258 H. F. Price, "	1 "	25	H. F. Price, Kingston.	.....	Present.	None.	.....	.....	"
"	"	"	35259 Geo. Macdon, "	1 "	20	Vendor	.....	Present.	None.	.....	.....	"
"	"	"	35260 H. Jarvis, "	1 "	25	"	.....	None.	None.	.....	.....	"
"	"	"	35261 J. McLaughlin, Kingston.	1 "	20	"	.....	Present.	None.	.....	.....	"
"	"	"	35262 T. Peters, Kingston.	1 "	20	"	.....	None.	None.	.....	.....	"
"	"	"	35263 A. J. Rees, "	1 "	25	"	.....	Present.	None.	.....	.....	"
"	"	"	35264 G. W. Mahood, Kingston.	1 "	25	"	.....	Present.	None.	.....	.....	"

DISTRICT OF TORONTO—H. J. DAGEE, INSPECTOR.

Aug.	5	Ice Cream.	35154 L. O. Boist, Hamilton.	1 pt.	20	Vendor	.....	None.	None.	.....	13.71	In good condition. Contains coal tar dye.
"	"	"	35155 The Pure Milk Co., Ltd., Hamilton.	1 "	20	Vendors	.....	None.	None.	.....	14.86	In good condition.
"	"	"	35156 Burke Bros., Hamilton.	1 ton.	20	"	.....	None.	Present.	.....	15.05	"

No.	Sample	Vendor	Present.	8 00'	" quality.	Of four
5	35157 D. M. Lod, Oshawa, 1 "	20	Present.	8 00'	quality.	Of four
5	35158 M. J. Gilbee, Oshawa, 1 "	20	Present.	8 97	In good condition.	Of four
8	35159 Chas. Lod, Whitby, 1 "	20	Present.	15 50	In good condition.	Coal tar dye.
13	35160 Wm. Neilson, Ltd., 1 "	15 Vendors	Present.		In poor condition.	Fat not determined.
13	35161 City Dairy Co., Ltd., 1 "	25	None.	20 24	In good condition.	
13	35162 S. Price & Sons, Ltd., 1 "	20	None.		In poor condition.	Fat not determined.
13	35163 Union Dairy Co., 1 "	20	Present.	10 76	In good condition.	

DISTRICT OF LONDON—T. KIDD, INSPECTOR.

July	20	Ice Cream ..	2040	Oscar Neill, Seaforth 1 pt ...	20	Vendor ..	Present.	None.	.....	In poor condition.	Fat not determined.
"	20	"	20050	Chas. Abraham, Sea- forth.	20	"	Present.	None.	.....	"	"
"	21	"	20058	Chas. Gough, Strat- ford.	20	"	None.	Present.	.....	"	"
"	22	"	20060	J.W. Palmer, Hemel 1 "	20	"	Present.	Present.	.....	"	"
"	23	"	20065	G. McLennon, Olin- ton.	20	"	Present.	None.	.....	"	"
"	29	"	20080	S. G. S. Kirk, Brus- sels.	15	"	None.	None.	.....	"	"
"	31	"	20073	Frank H. Smith, St. 1 "	15	"	None.	None.	.....	In good condition.	
"	31	"	20074	Mrs. Harvey Tuer, 1 "	20	"	Present.	None.	.....	18-94	
"	31	"	20075	Mrs. Smith, St. 1 "	20	"	None.	Present.	.....	14-52	
"	31	"	20076	Bush & Cox, Strat- ford.	20	Vendors	None.	Present.	.....	17-60	
"	31	"	20076	Bush & Cox, Strat- ford.	20	Vendors	None.	None.	.....	11-06	

DISTRICT OF WINDSOR—J. TALBOT, INSPECTOR.

July	16	Ice Cream..	3478	Peter Hirnikos, Lon- don.	1 pint..	20	Vendor.	Present.	None.	.....	In poor condition. determined.	Fat not
"	16	"	3479	Fawkes & Son, Lon- don.	1 "	15	Vendors.	.....	None.	.....	"	"
"	17	"	3480	C. J. Leach, London.	1 "	20	Vendor.	.....	Present.	.....	"	"

BULLETIN No. 162—ICE CREAM.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Covert.		Name and Address of Manufacturer or Furnisher as given by Vendor.	Inspector's Report.	RESULTS OF ANALYSIS.			Remarks and Opinion of the Chief Analyst.	
				Quantity.	Cents.			Gelatin.	Starch.	Total Solids.		Fat.
DISTRICT OF WINDSOR—J. TALBOT, INSPECTOR.—Continued.												
1908.												
July 21	Ice Cream.	34864	John Howe, Port 3 lots Stanley.	25		Vendor.	.....	Present.	None.	p. c.	In poor condition. Fat not determined.	
" 21	"	34865	A. Herrick, Port 3 Stanley.	25		"	.....	Present.	None.	p. c.	"	
" 21	"	34866	Alfred Hall, Port 1 Stanley.	50		"	.....	Present.	None.	p. c.	"	
DISTRICT OF MANITOBA—A. C. LABIVIERE, INSPECTOR.												
July 28	Ice Cream.	33182	D. Casola, Portage 1 pint Le Prairie.	25		Vendor.	.....	None.	None.	20.56	In good condition.	
" 28	"	33183	T. T. Bailey, Portage 1 Le Prairie.	25		"	.....	Present.	None.	.....	In poor condition. Fat not determined.	
" 28	"	33184	A. W. Bolduan, Car-1 berry.	25		"	.....	Present.	Present.	.....	"
" 29	"	33185	Wm. Argard, Bran-1 don.	25		"	.....	Present.	None.	.....	"
" 29	"	33186	Prinman & Co., Bran-1 don.	25		Vendors.	.....	None.	None.	.....	"
" 30	"	33187	Wm. Burgo, 45-47 1/2 Gertie St., Winni-peg.	40		Vendor.	.....	Present.	None.	.....	"
" 31	"	33188	W. R. Milton, 244 1/2 Main St., Winni-peg.	20		"	.....	Present.	None.	.....	"
" 31	"	33189	The Crescent Cream-ery Co., Winni-peg.	.....		Vendors.	.....	Present.	None.	.....	"
Aug. 1	"	33190	Julius Bros., 504 1/2 Main St., Winni-peg.	25		"	.....	None.	None.	13.33	In good condition.	
" 1	"	33191	" " " 1 "	15		"	.....	None.	None.	17.70	"	

DISTRICT OF CALGARY - R. W. FLETCHER, INSPECTOR.

Aug. 13	Ice Cream...	33306	Owen H. Batt, Cal- gary.	1	pt...	40	Vendor	...	None	Present.	19-22	Sample in good condition.
"	"	33307	H. B. McKinnon,	1	"	30	"	...	None.	None.	11-48	"
"	"	33308	W. H. Doby, Medi- cine Hat.	1	"	20	"	...	None.	Trace.	16-96	"
"	"	33309	Bee Hive Mfg. Co., Edmonton.	1	"	25	Vendors	...	Present.	Trace.	12-88	"
"	"	33310	Hallier & Aldridge, Edmonton.	1	"	30	"	...	None.	None.	19-36	"
"	"	33311	Rochon Bros., whole- sale, Calgary.	1	"	30	"	...	Present.	Trace.	13-46	"
"	"	33317	Mrs. Starritt, Calgary	1	"	30	Vendor	...	Present.	None.	23-88	"
"	"	33318	Rochon Bros., retail, Calgary.	1	"	30	Vendors	...	Present.	Present.	14-50	"
"	"	33319	Mrs. E. Dunsmore, Calgary.	1	"	30	Vendor	...	None.	None.	17-16	"
"	"	33320	J. Arvel, Calgary...	1	"	35	"	...	...	...	...	Both bottles broken in transit.

DISTRICT OF VANCOUVER - J. F. POWER, INSPECTOR.

Aug. 12	Ice Cream	34340	Richmond Dairy Co., Vancouver.	1	pt.	25	Vendors	Present.	None.	Both samples broken, due to bad packing. Fat not determined.
"	"	34341	R. A. Crawford, Vancouver.	1	"	25	Richmond Dairy Co., Vancouver.	Present.	None.	"
"	"	34342	Chas. Nelson, Van- couver.	"	"	25	Almond Creamery Co., Vancouver.	Present.	None.	"
"	"	34343	The Sips Candy Co., Vancouver.	1	"	25	Vendors	None.	Present.	12-80 In good condition.
"	"	34344	Dels Confectionery Store, Vancouver.	1	"	25	"	None.	None.	15-46 "
"	"	34345	Marrett & Reid, Vancouver.	1	"	25	"	Present.	None.	In poor condition. Fat not determined.
"	"	34346	Royal Candy Fac- tory, Vancouver	"	"	...	"	Present.	None.	19-02 In good condition.
"	"	34347	A. Demetory, Van- couver.	"	"	...	Vendor.	None.	None.	In poor condition. Fat not determined.
"	"	34348	City Dairy Co., Van- couver.	1	"	25	Vendors	Present.	None.	"
"	"	34349	Woodwards Dept., Stores, Vancouver.	1	"	25	Almond Creamery Co., Vancouver.	Present.	Present.	11-24 In good condition.

ICE CREAM—BULLETIN No. 162—Concluded.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.	RESULTS OF ANALYSIS.				Remarks and Opinion of the Chief Analyst.
				Quantity.	Cent.			(Gelatin.	Starch.	Total Solids.	Fat.	
DISTRICT OF VICTORIA—D. O. SULLIVAN, INSPECTOR.												
1908.												
July 28	Ice Cream.	34930	Hall & Co., Victoria.	1 pt.	25	Vendors.	.....	None.	None.	P. c.	P. c. 16.92	In good condition.
" 30	"	34931	G. H. Larrigan, Victoria.	1 "	25	Royal Dairy, Victoria.	.....	Present.	None.	.....	.....	In poor condition. Fat not determined.
" 30	"	34932	H. A. Lilly, Victoria.	1 "	25	Vendor	.....	.....	None.	.....	.....	Bottle samples broken, due to careless packing.
" 30	"	34934	R. H. Mould, Victoria.	1 "	50	Royal Dairy, Victoria.	.....	None.	None.	.....	.....	In poor condition. Fat not determined.
" 30	"	34935	A. Westerdale, Victoria.	1 "	50	"	.....	Present.	None.	.....	.....	"
" 30	"	34938	J. Paula, Victoria.	1 "	50	"	.....	.....	None.	.....	.....	"
" 30	"	34939	Victoria Creamery Assoc., Victoria.	1 "	20	Vendors	.....	Present.	None.	.....	.....	Both bottles broken, due to careless packing.
" 31	"	34974	Harcop & Antipas, Victoria.	1 "	45	"	.....	Present.	None.	.....	.....	In poor condition. Fat not determined.
" 31	"	34975	V. Stramatares, Victoria.	1 "	50	"	.....	Present.	None.	.....	.....	"